

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	MAO ET AL.	Examiner:	TBD
Serial No.:	09/ 815,746	Group Art Unit:	2652
Filed:	MARCH 23, 2001		
Title:	SPIN VALVE HEAD USING HIGH-COERCIVITY HARD BIAS LAYER		
Docket:	30874.101USU1		

NOV 20 2002

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCAION OF PRIOR POWERS)**

Technology Center 2600

As assignee of record of the entire interest of the above identified application, all powers of attorney previously given are hereby revoked and the following practitioners/ patent agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

Shawn B. Dempster, Registration No. 34,321	Edward P. Heller, III, Registration No. 29,075
Jonathan E. Olson, Registration No. 41,231	Raghunath S. Minisandram, Registration No. 38,683
Derek J. Berger, Registration No. 45,401	Mitchell K. McCarthy, Registration No. 38,794
Kirk A. Cesari, Registration No. 47,479	Carol I. Bordas, Registration No. 37,284
Paul T. Dietz, Registration No. 38,858	

And members of the firm of Merchant & Gould P.C.

Albrecht, John W.	Reg. No. 40,481	Hamre, Curtis B.	Reg. No. 29,165
Ali, M. Jeffer	Reg. No. 46,359	Harrison, Kevin C.	Reg. No. 46,759
Altera, Allan G.	Reg. No. 40,274	Hertzberg, Brett A.	Reg. No. 42,660
Anderson, Gregg I.	Reg. No. 28,828	Hillson, Randall A.	Reg. No. 31,838
Batzli, Brian H.	Reg. No. 32,960	Holzer, Jr., Richard J.	Reg. No. 42,668
Beard, John L.	Reg. No. 27,612	Hope, Leonard J.	Reg. No. 44,774
Berns, John M.	Reg. No. 43,496	Jardine, John S.	Reg. No. P48,835
Branch, John W.	Reg. No. 41,633	Johnston, Scott W.	Reg. No. 39,721
Bremer, Dennis C.	Reg. No. 40,528	Kadievitch, Natalie D.	Reg. No. 34,196
Brown, Jeffrey C.	Reg. No. 41,643	Kaseburg, Frederick A.	Reg. No. 47,695
Bruess, Steven C.	Reg. No. 34,130	Kettelberger, Denise	Reg. No. 33,924
Byrne, Linda M.	Reg. No. 32,404	Keys, Jeramie J.	Reg. No. 42,724
Campbell, Keith	Reg. No. 46,597	Knearl, Homer L.	Reg. No. 21,197
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Caspers, Philip P.	Reg. No. 33,227	Kowalchuk, Katherine M.	Reg. No. 36,848
Clifford, John A.	Reg. No. 30,247	Lacy, Paul E.	Reg. No. 38,946
Cook, Jeffrey	Reg. No. P48,649	Larson, James A.	Reg. No. 40,443
Daignault, Ronald A.	Reg. No. 25,968	Leonard, Christopher J.	Reg. No. 41,940
Daley, Dennis R.	Reg. No. 34,994	Liepa, Mara E.	Reg. No. 40,066
Dalglish, Leslie E.	Reg. No. 40,579	Lindquist, Timothy A.	Reg. No. 40,701
Daulton, Julie R.	Reg. No. 36,414	Lown, Jean A.	Reg. No. P48,428
DeVries Smith, Katherine M.	Reg. No. 42,157	Mayfield, Denise L.	Reg. No. 33,732
DiPietro, Mark J.	Reg. No. 28,707	McDonald, Daniel W.	Reg. No. 32,044
Doscorch, Matthew A.	Reg. No. P48,957	McIntyre, Jr., William F.	Reg. No. 44,921
Edell, Robert T.	Reg. No. 20,187	Mitchem, M. Todd	Reg. No. 40,731
Epp Ryan, Sandra	Reg. No. 39,667	Mueller, Douglas P.	Reg. No. 30,300
Glance, Robert J.	Reg. No. 40,620	Nelson, Anna M.	Reg. No. 48,935
Goggin, Matthew J.	Reg. No. 44,125	Parsons, Nancy J.	Reg. No. 40,364
Golla, Charles E.	Reg. No. 26,896	Pauly, Daniel M.	Reg. No. 40,123
Gorman, Alan G.	Reg. No. 38,472	Phillips, John B.	Reg. No. 37,206
Gould, John D.	Reg. No. 18,223	Pino, Mark J.	Reg. No. 43,858
Gregson, Richard	Reg. No. 41,804	Prendergast, Paul	Reg. No. 46,068
Gresens, John J.	Reg. No. 33,112	Pytel, Melissa J.	Reg. No. 41,512
Hamer, Samuel A.	Reg. No. 46,754	Qualey, Terry	Reg. No. 25,148

Reich, John C.	Reg. No. 37,703	Tunheim, Marcia A	Reg. No. 42,189
Reiland, Earl D.	Reg. No. 25,767	Underhill, Albert L.	Reg. No. 27,403
Roberts, Fred	Reg. No. 34,707	Vandenburgh, J. Derek	Reg. No. 32,179
Samuels, Lisa A.	Reg. No. 43,080	Wahl, John R.	Reg. No. 33,044
Schmaltz, David G.	Reg. No. 39,828	Weaver, Paul L.	Reg. No. P48,640
Schuman, Mark D.	Reg. No. 31,197	Welter, Paul A.	Reg. No. 20,890
Schumann, Michael D.	Reg. No. 30,422	Whipps, Brian	Reg. No. 43,261
Scull, Timothy B.	Reg. No. 42,137	Whitaker, John E.	Reg. No. 42,222
Sebald, Gregory A.	Reg. No. 33,280	Wier, David D.	Reg. No. P48,229
Skoog, Mark T.	Reg. No. 40,178	Williams, Douglas J.	Reg. No. 27,054
Spellman, Steven J.	Reg. No. 45,124	Withers, James D.	Reg. No. 40,376
Stoll-DeBell, Kirstin L.	Reg. No. 43,164	Witt, Jonelle	Reg. No. 41,980
Sullivan, Timothy	Reg. No. 47,981	Wu, Tong	Reg. No. 43,361
Sumner, John P.	Reg. No. 29,114	Young, Thomas	Reg. No. 25,796
Swenson, Erik G.	Reg. No. 45,147	Zculi, Anthony R.	Reg. No. 45,255
Tellekson, David K.	Reg. No. 32,314		
Trembath, Jon R.	Reg. No. 38,344		

CHANGE OF ATTORNEY'S/ AGENT'S ADDRESS IN APPLICATION

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903

STATEMENT UNDER 37 CFR 3.73(b)

Seagate Technology LLC states that it is the Assignee of Entire Interest in the patent application/ patent identified above by virtue of an Assignment from the inventor(s) of the patent application/ patent identified above. A copy of the Assignment is attached and/ or was recorded in the Patent and Trademark Office at Reel _____, Frame _____. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC
(Assignee of Entire Interest)

Oct 30, 2002
Date


Paul T. Dietz, Registration No. 38,858
SEAGATE TECHNOLOGY LLC

ASSIGNMENT

WHEREAS, we, Sining Mao, residing at 13927 Aquila Avenue, Savage, MN 55378; Zheng Gao, residing at 5200 West 102nd Street, Apt. 201, Bloomington, MN 55437; Ananth Naman, residing at 7700 Cahill Road, Apt. 208, Edina, MN 55439; Dean Walter Markuson, residing at 917 Adams Street, Anoka, MN 55303; Paul Edward Anderson, residing at 6850 Kingston Drive, Eden Prairie, MN 55346; Lujun Chen, residing at 7341 Woodvale Court, West Hills, CA 91307; and, Song Xue, 10382 Meier Lane, Eden Prairie, MN 55347, are the inventors of an invention entitled SPIN VALVE HEAD USING HIGH-COERCIVITY HARD BIAS LAYER that is the subject matter of

a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Serial No. 60/191,821, filed March 24, 2000;

an application for Letters Patent, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Serial No. 09/815,746, filed March 23, 2001; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under and by virtue of the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California 95067 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

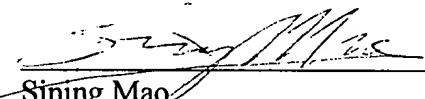
NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and serial numbers of the application when ascertained. We further authorize the

Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above-identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We and our executors or administrators will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference litigation or proceeding.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16th day of July, 2002.

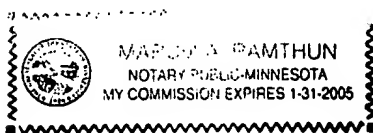

Sining Mao

STATE OF MINNESOTA)
)ss:
COUNTY OF DAKOTA)

On this 16 day of JULY, 2002, before me personally appeared SINING MAO to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]


Notary Public



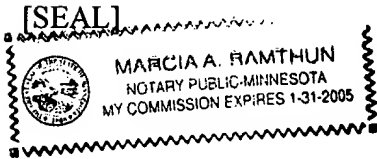
Aug, 2002.

Zheng Gao

STATE OF MINNESOTA)

On this 1 day of AUGUST, 2002, before me personally appeared ZHENG GAO to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Notary Public




October, 2002.

STATE OF California

COUNTY OF Santa Clara

Ananth Naman

therein set forth.


Notary Public



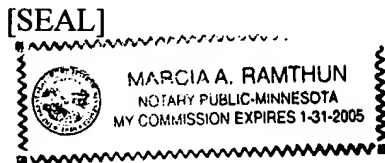
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
Aug 2, 2002.


Dean Markuson
Dean Markuson

STATE OF MINNESOTA)
)ss:
COUNTY OF DAKOTA)

On this 2 day of August, 2002, before me personally appeared
DEAN MARKUSON to me known to be the person described in, and who executed the foregoing
instrument, and acknowledged to me that he/she executed the same for the uses and purposes
therein set forth.

Marcia A. Ramthun
Notary Public



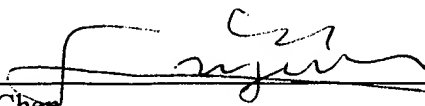

Paul Anderson

On this 6 day of August, 2002, before me personally appeared PAUL ANDERSON to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Marcie A. Ramthun
Notary Public

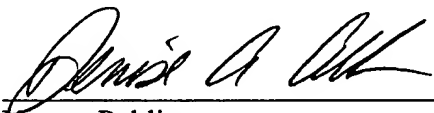


IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of
Oct., 2002.

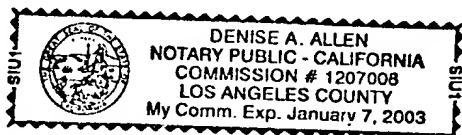

Lujun Chen

STATE OF CALIFORNIA)
)ss:
COUNTY OF LOS ANGELES)

On this 18th day of OCT., 2002, before me personally appeared
LUJUN CHEN to me known to be the person described in, and who executed the foregoing
instrument, and acknowledged to me that he/~~she~~ executed the same for the uses and purposes
therein set forth.


Notary Public

[SEAL]



IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of
Aug., 2002.

Song Xue
Song Xue

STATE OF MINNESOTA)
)ss:
COUNTY OF DAKOTA)

On this 2 day of AUGUST, 2002, before me personally appeared
SONG XUE to me known to be the person described in, and who executed the foregoing
instrument, and acknowledged to me that he/she executed the same for the uses and purposes
therein set forth.

[SEAL]

Marcia A. Ramthun
Notary Public

